



Wireless vibration sensor

- Three-axis linear accelerometer
- Input for PT1000
- Enable predictive maintenance
- For Fault Detection

As part of a systematic approach to Fault Detection, particularly in automated and unmanned environments, the **KET-VYB-100** allows machine vibrations to be measured and checked against declared tolerances, generating an alarm if necessary. In the context of predictive maintenance, it makes it possible to intervene before the machine breaks down, thus avoiding downtime and the associated impact on production and company logistics. production and company logistics. The three-axis linear **accelerometer** inside is capable of measuring accelerations with output data rates from 1 Hz to 5.3 kHz and detects 6D/4D orientation, free fall and motion. It has a common input for digital or **PT1000** thermo-resistance input for temperature monitoring and a **0-10 V** analogue output. The small size and **amplified radio module** allow easy application on any element to be monitored.

TECHNICAL FEATURES	
GENERAL SPECIFICATIONS	Protection Range: IP40 Operative Temperature: -15 ÷ +70 °C Storage Temperature: Relative Humidity:
CASE	Dimensions: 100 x 45 x 30 mm (W x H x D) Mounting: With bioadhesive (supplied) or screws to the body to be monitored Material: Polimid B 30GF V0A black - Isoryl A 120 GF0 V0 black
POWER SUPPLY	Supply Voltage: 230 VAC with integrated power supply (50-60 Hz) Consumption: 1.5 VA Connectors types: Device supplied with pre-skinned cable terminals
INPUTS	Channels: 1 in common with the digital input. Allows connection with a PT1000 temperature probe
RELE' OUTPUTS	Channels: For local alerts Maximum Switching Voltage: Maximum Rated Current: 8 A Max. Inrush Peak Currents: Voltage Output: 250 VAC @ 16 A Isolation: Class II
RADIO MODULE	Supported Protocols: X-Monitor Protocol (X-MP) / IEEE 802.15.4 Radio Frequency: 2.4 GHz ISM Band Output Power: +3 ÷ +20 dBm Sensitivity: -104 dBm Antenna Type: RPSMA connector, 90° antenna supplied Max Distance (Free Air): Over 1000 m
FUNCTIONALITY	Radio Signal Indicator: Integrated (LinkQuality) Output Power Adjustment: From local keyboard and remotely Firmware Upgrade: Via radio User menu: Support for public environment:
ACCELEROMETER	Velocity: 1 Hz ÷ 5.3 kHz Acceleration: 3000 g for 0.5 ms, 10000 g for 0.2 ms Velocity Time: Acceleration Time: Functionality: 6D/4D orientation, free-fall and motion detection



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